AUTHOR INDEX OF VOLUME 63*

Anderson, C.M., see Noor, A.K.	(1) 37 - 81
Askar, H.G., Special elements for point singularities	(3) 271 – 280
Bellet, D. and M.C. Vinatier, Numerical spectral method for flows through	
anevrisms	(2) 167 – 182
Chen, CK., see Chen, HT.	(1) 83 - 95
Chen, HT., TM. Chen and CK. Chen, Hybrid Laplace transform/finite	
element method for one-dimensional transient heat conduction problems Chen, TM., see Chen, HT.	(1) 83 - 95 (1) 83 - 95
Donos I and I C I amain A modified representation of transverse sheer in	
Donea, J. and L.G. Lamain, A modified representation of transverse shear in	(2) 192 207
C ⁰ quadrilateral plate elements	(2) 183 - 207
Dulikravich, G.S., see Huang, C.Y.	(1) 15 – 36
Fenton, R.G., see Tabarrok, T.	(1) 1- 14
Franca, L.P., see Hughes, T.J.R.	(1) 97 -112
Franca, L.P., see Loula, A.F.D.	(2) $115 - 132$
Franca, L.P., see Loula, A.F.D.	(2) $133 - 154$
Franca, L.P., see Loula, A.F.D.	(3) 281 $-$ 303
Huang, CY. and G.S. Dulikravich, Fast iterative algorithms based on	
optimized explicit time stepping	(1) 15 - 36
Hughes, T.J.R., L.P. Franca and M. Mallet, A new finite element formulation for computational fluid dynamics: VI. Convergence analysis of the	
generalized SUPG formulation for linear time-dependent multidimensional	
advective-diffusive systems	(1) 97-112
Hughes, T.J.R., see Loula, A.F.D.	(2) 115 – 132
Hughes, T.J.R., see Loula, A.F.D.	(2) 133 – 154
Hughes, T.J.R., see Loula, A.F.D.	(3) 281 - 303
Kanarachos, A. and Ch. Provatidis, Performance of mass matrices for the	
BEM dynamic analysis of wave propagation problems	(2) 155 - 165
Kaplan, B.Z. and D. Yardeni, Development of a new three-phase triangular	
wave oscillator	(3) 305 - 312

^{*} The issue number is given in front of the page numbers.

Lamain, L.G., see Donea, J.	(2) 183 - 207
Loula, A.F.D., T.J.R. Hughes and L.P. Franca, Petrov-Galerkin formulations	
of the Timoshenko beam problem	(2) 115 $-$ 132
Loula, A.F.D., T.J.R. Hughes, L.P. Franca and I. Miranda, Mixed	
Petrov-Galerkin methods for the Timoshenko beam problem	(2) 133 - 154
Loula, A.F.D., L.P. Franca, T.J.R. Hughes and I. Miranda, Stability, convergence, and accuracy of a new finite element method for the circular	(2) 201 202
arch problem	(3) $281 - 303$
Luco, J.E., see Mita, A.	(3) 233 - 259
Mallet, M., see Hughes, T.J.R.	(1) 97-112
Miranda, I., see Loula, A.F.D.	(2) $133 - 154$
Miranda, I., see Loula, A.F.D.	(3) 281 -303
Mita, A. and J.E. Luco, Dynamic response of embedded foundations: A	(-,
hybrid approach	(3) $233 - 259$
Noor, A.K., C.M. Andersen and J.A. Tanner, Exploiting symmetries in the	
modeling and analysis of tires	(1) 37 - 81
Nouh, A., A sequential aggregation algorithm for the set partitioning problem	(3) 225 $-$ 232
Provatidis, Ch., see Kanarachos, A.	(2) 155 – 165
Stenberg, R., On some three-dimensional finite elements for incompressible	
media	(3) $261-269$
Tabarrok, T., J. Xu and R.G. Fenton, A finite element procedure for plane	
strain metal flow within specified plastic boundaries	(1) 1 - 14
Tanner, J.A., see Noor, A.K.	(1) 37 - 81
Vinatier, M.C., see Bellet, D.	(2) 167 – 182
Xu, J., see Tabarrok, T.	(1) 1- 14
Yardeni, D., see Kaplan, B.Z.	(3) 305 – 312

SUBJECT INDEX OF VOLUME 63*

Boundary element methods

Performance of mass matrices for the BEM dynamic analysis of wave propagation problems, A. Kanarachos and Ch. Provatidis	(2) 155 – 165
Dynamic response of embedded foundations: A hybrid approach, A. Mita and J.E. Luco	(3) 233 – 259
Dynamics	
Performance of mass matrices for the BEM dynamic analysis of wave	(2) 155 165
propagation problems, A. Kanarachos and Ch. Provatidis Dynamic response of embedded foundations: A hybrid approach, A. Mita and	(2) 155 – 165
J.E. Luco Development of a new three-phase triangular wave oscillator, B.Z. Kaplan and	(3) 233 – 259
D. Yardeni	(3) 305 - 312
Elasticity	
Mixed Petrov-Galerkin methods for the Timoshenko beam problem, A.F.D. Loula, T.J.R. Hughes, L.P. Franca and I. Miranda Stability, convergence, and accuracy of a new finite element method for the	(2) 133 – 154
circular arch problem, A.F.D. Loula, L.P. Franca, T.J.R. Hughes and I. Miranda	(3) 281 – 303
Finite difference methods	
Fast iterative algorithms based on optimized explicit time stepping, CY. Huang and G.S. Dulikravich	(1) 15 - 36
Numerical spectral method for flows through anevrisms, D. Bellet and M.C. Vinatier	(2) 167 – 182
Finite element and matrix methods	
A finite element procedure for plane strain metal flow within specified plastic	(1) 1- 14

^{*} The issue number is given in front of the page numbers.

Exploiting symmetries in the modeling and analysis of tires, A.K. Noor, C.M. Andersen and J.A. Tanner	(1) 37 - 81
Hybrid Laplace transform/finite element method for one-dimensional transient	
heat conduction problems, HT. Chen, TM. Chen and CK. Chen	(1) 83 - 95
A new finite element formulation for computational fluid dynamics: VI.	
Convergence analysis of the generalized SUPG formulation for linear time-	
dependent multidimensional advective-diffusive systems, T.J.R. Hughes, L.P.	(1) 07 110
Franca and M. Mallet	(1) $97 - 112$
Petrov-Galerkin formulations of the Timoshenko beam problem, A.F.D.	(0) 115 100
Loula, T.J.R. Hughes and L.P. Franca	(2) 115 - 132
Mixed Petrov-Galerkin methods for the Timoshenko beam problem, A.F.D.	(0) 100 151
Loula, T.J.R. Hughes, L.P. Franca and I. Miranda	(2) 133 - 154
A modified representation of transverse shear in C^0 quadrilateral plate	
elements, J. Donea and L.G. Lamain	(2) 183 - 207
Dynamic response of embedded foundations: A hybrid approach, A. Mita and	
J.E. Luco	(3) 233 - 259
On some three-dimensional finite elements for incompressible media, R.	
Stenberg	(3) 261 - 269
Special elements for point singularities, H.G. Askar	(3) 271 - 280
Stability, convergence, and accuracy of a new finite element method for the circular arch problem, A.F.D. Loula, L.P. Franca, T.J.R. Hughes and I.	
Miranda	(3) 281 $-$ 303
Fluid mechanics	
Fast iterative algorithms based on optimized explicit time stepping, CY.	
Huang and G.S. Dulikravich	(1) 15 - 36
A new finite element formulation for computational fluid dynamics: VI. Convergence analysis of the generalized SUPG formulation for linear time-dependent multidimensional advective-diffusive systems, T.J.R. Hughes, L.P.	
Franca and M. Mallet	(1) 97-112
	(1) 97-112
Numerical spectral method for flows through anevrisms, D. Bellet and M.C. Vinatier	(2) 167 – 182
Fracture mechanics	
Special elements for point singularities, H.G. Askar	(3) 271 – 280
General Rayleigh-Ritz and Galerkin techniques	
Numerical spectral method for flows through anevrisms, D. Bellet and M.C.	
Vinatier	(2) 167 - 182

Hybrid Laplace transform/finite element method for one-dimensional transient

(1) 15 - 36

(2) 115 - 132

Heat and diffusion

heat conduction problems, H.-T. Chen, T.-M. Chen and C.-K. Chen (1) 83 - 95 Incompressible and near incompressible media Numerical spectral method for flows through anevrisms, D. Bellet and M.C. (2) 167 - 182On some three-dimensional finite elements for incompressible media, R. Stenberg (3) 261 - 269Miscellaneous topics A sequential aggregation algorithm for the set partitioning problem, A. Nouh (3) 225 - 232Nonlinear mechanics Development of a new three-phase triangular wave oscillator, B.Z. Kaplan and D. Yardeni (3) 305 - 312Numerical solution procedures Fast iterative algorithms based on optimized explicit time stepping, C.-Y.

Loula, T.J.R. Hughes and L.P. Franca

Huang and G.S. Dulikravich

A sequential aggregation algorithm for the set partitioning problem, A. Nouh (3) 225-232

Petrov-Galerkin formulations of the Timoshenko beam problem, A.F.D.

Plasticity

Optimization

A finite element procedure for plane strain metal flow within specified plastic boundaries, T. Tabarrok, J. Xu and R.G. Fenton (1) 1-14

Shells and plates

A modified representation of transverse shear in C^0 quadrilateral plate elements, J. Donea and L.G. Lamain (2) 183-207

Structural mechanics

Exploiting symmetries in the modeling and analysis of tires, A.K. Noor, C.M.

Andersen and J.A. Tanner

(1) 37 - 81

Petrov-Galerkin formulations of the Timoshenko beam problem, A.F.D. Loula, T.J.R. Hughes and L.P. Franca (2) 115 - 132Mixed Petrov-Galerkin methods for the Timoshenko beam problem, A.F.D. Loula, T.J.R. Hughes, L.P. Franca and I. Miranda (2) 133 - 154A modified representation of transverse shear in C^0 quadrilateral plate elements, J. Donea and L.G. Lamain (2) 183 - 207Stability, convergence, and accuracy of a new finite element method for the circular arch problem, A.F.D. Loula, L.P. Franca, T.J.R. Hughes and I. Miranda (3) 281 - 303Transport phenomena A new finite element formulation for computational fluid dynamics: VI. Convergence analysis of the generalized SUPG formulation for linear timedependent multidimensional advective-diffusive systems, T.J.R. Hughes, L.P. Franca and M. Mallet (1) 97 -112Wave motion Performance of mass matrices for the BEM dynamic analysis of wave propagation problems, A. Kanarachos and Ch. Provatidis (2) 155 - 165 Development of a new three-phase triangular wave oscillator, B.Z. Kaplan and D. Yardeni (3) 305 - 312

